

**COMPUTER ENGINEERING COURSE**

**SCHEME OF INSTRUCTION AND EXAMINATION REVISED COURSE 2019-2020**

**SEMESTER – VII**

Course Code	Nomenclature of the Course	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P	Duration (Hrs)	Marks					Credits
						Th	IA	TW*	O	Total	
CE710	Compiler Design	3	1	0	3	100	25	25	0	150	4
CE721	Embedded Systems & Design	3	0	0	3	100	25	0	0	125	3
CE722	Machine Learning										
CE723	Data Analytics										
CE724	Mobile Computing & Android Programming										
CE730	Compiler Design Lab	0	0	2	--	0	0	0	50	50	1
**	Open Elective	3	0	0	3	100	25	0	0	125	3
CE740	Internship	0	0	6	--	0	0	50	50	100	3
CE750	Project Work - Phase I	0	0	6	--	0	0	50	75	125	3
	<b><u>TOTAL</u></b>	9	1	14	--	300	75	125	175	675	17

\* Term Work marks are to be awarded through continuous evaluation

\*\* Students may enter the subject code of the open elective selected from the courses of other branch of Engineering.

**LEGEND**

Abbreviation	Description
L	Lecture
T	Tutorial
P	Practical
O	Oral
Th	Theory
TW	Term Work
IA	Internal Assessment

**COMPUTER ENGINEERING COURSE**

**SCHEME OF INSTRUCTION AND EXAMINATION REVISED COURSE 2019-2020**

**SEMESTER – VIII**

Course Code	Nomenclature of the Course	Scheme of Instruction Hrs/Week			Scheme of Examination							
		L	T	P	Duration (Hrs)	Marks						Credits
						Th	IA	TW*	O	OCS	Total	
CE810	Cryptography Techniques for Network Security	3	0	0	3	100	25	0	0	--	125	3
CE821	Internet of Things	3	0	0	3	100	25	0	0	--	125	3
CE822	Pattern Recognition											
CE823	Multimedia Systems & Applications											
CE824	Software Development Framework											
CE830	# Elective - NPTEL / MOOC / SWAYAM	3	0	0	--	0	0	25 <sup>#</sup>	0	75 <sup>#</sup>	100	3
CE840	Project Work - Phase II	0	0	18	--	0	0	200	200	--	400	9
	<u>TOTAL</u>	9	0	18	--	200	50	225	200	75	750	18

\* Term Work marks are to be awarded through continuous evaluation

# Students should mandatorily undertake one NPTEL Course of only 3 credits from the list of approved

online courses of Goa University to be offered during the V/ VI/VII Semester.

# Online **Assignments** Score obtained will be considered/scaled accordingly for Term Work (TW) and **Proctored Exam** Score will be considered/scaled accordingly for Online Course Score (OCS) of NPTEL / MOOC / SWAYAM certification course. The score obtained shall be rounded to near higher integer.

#### LEGEND

Abbreviation	Description
L	Lecture
T	Tutorial
P	Practical
O	Oral
Th	Theory
TW	Term Work
IA	Internal Assessment
OCS	Online Course Score